

1     **CLAIMS**

2             1.     A method comprising:

3             receiving a file index associated with a plurality of localized strings of data;

4             loading the file index into a memory device;

5             identifying pointers to frequently used localized strings;

6             caching the identified pointers; and

7             processing requests for Web content.

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9             2.     A method as recited in claim 1 wherein each of the plurality of

10            localized strings has an associated language.

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12            3.     A method as recited in claim 1 wherein each of the plurality of

13            localized strings has an associated locale.

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15            4.     A method as recited in claim 1 wherein each of the plurality of

16            localized strings has an associated language and an associated locale.

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18            5.     A method as recited in claim 1 wherein processing requests for Web

19            content includes:

20            identifying at least one localized string associated with a request for Web

21            content; and

22            validating the at least one localized string.

1           **6.**    A method as recited in claim 5 further comprising using the at least  
2 one localized string to process requests for Web content if the at least one  
3 localized string is validated.

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5           **7.**    A method as recited in claim 1 wherein identifying pointers to  
6 frequently used localized strings includes identifying one or more commonly used  
7 languages.

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9           **8.**    A method as recited in claim 1 wherein identifying pointers to  
10 frequently used localized strings includes identifying one or more frequently  
11 requested locales.

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13           **9.**    A method as recited in claim 1 wherein the method is performed by a  
14 Web server.

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16           **10.**   One or more computer-readable memories containing a computer  
17 program that is executable by a processor to perform the method recited in claim  
18 1.

1           **11.**    A method comprising:  
2           receiving a request for content in a particular language;  
3           identifying at least one string associated with the requested content,  
4           wherein the at least one string is associated with the particular language;  
5           determining whether a pointer to the at least one string is stored in a cache;  
6           if the pointer is stored in the cache:  
7                 retrieving the pointer from the cache; and  
8                 retrieving the at least one string using the pointer;  
9           if the pointer is not stored in the cache, retrieving the at least one string  
10          from a storage device.

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12           **12.**    A method as recited in claim 11 further comprising generating the  
13          requested Web content and providing the requested content to a source of the  
14          request.

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16           **13.**    A method as recited in claim 11 further comprising validating the at  
17          least one string.

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19           **14.**    A method as recited in claim 11 wherein the at least one string has  
20          an associated locale.

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22           **15.**    A method as recited in claim 11 wherein retrieving the at least one  
23          string from a storage device includes:

24                 identifying a string index associated with the at least one string; and

25                 locating the at least one string using the string index.

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2       **16.**     One or more computer-readable memories containing a computer  
3 program that is executable by a processor to perform the method recited in claim  
4 11.

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6       **17.**     A method comprising:  
7       receiving a request for content in a particular language;  
8       identifying at least one string associated with the requested content,  
9 wherein the at least one string is associated with the particular language;  
10       determining the at least one string is stored in a cache;  
11       retrieving the at least one string from the cache if the at least one string is  
12 stored in the cache; and  
13       retrieving the at least one string from a storage device if the at least one  
14 string is not stored in the cache.

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16       **18.**     A method as recited in claim 17 further comprising providing the  
17 requested content to a source of the request.

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19       **19.**     A method as recited in claim 17 further comprising validating the  
20 retrieved string to determine whether the retrieved string is corrupted.

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22       **20.**     A method as recited in claim 17 wherein retrieving the at least one  
23 string from a storage device includes:  
24       identifying a string index associated with the at least one string; and  
25       locating the at least one string using the string index.

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2       **21.**   One or more computer-readable memories containing a computer  
3 program that is executable by a processor to perform the method recited in claim  
4 17.

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6       **22.**   An apparatus comprising:  
7       an interface to receive requests for Web content and to send responses to  
8 the received requests;  
9       a cache to temporarily store pointers to frequently used localized strings of  
10 data; and  
11       a processor coupled to the interface and the cache, wherein the processor is  
12 configured to receive requests for Web content from the interface and receive  
13 pointers from the cache, wherein the processor is further configured to retrieve a  
14 particular localized string using a pointer if the cache contains a pointer to the  
15 particular localized string, and wherein the processor retrieves the particular  
16 localized string from a storage device the cache does not contain a pointer to the  
17 particular localized string.

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19       **23.**   An apparatus as recited in claim 22 wherein each localized string  
20 has an associated language.

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22       **24.**   An apparatus as recited in claim 22 wherein each localized string  
23 has an associated locale.  
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1           **25.**     An apparatus as recited in claim 22 wherein the processor is further  
2 configured to validate localized strings.

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4           **26.**     One or more computer-readable media having stored thereon a  
5 computer program that, when executed by one or more processors, causes the one  
6 or more processors to:

7           receive a file index associated with a plurality of localized strings, wherein  
8 each of the plurality of localized strings has an associated language;

9           load the file index into a memory device;

10          identify pointers to commonly used localized strings;

11          cache the identified pointers; and

12          process requests for localized data.

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14          **27.**     One or more computer-readable media as recited in claim 26  
15 wherein each of the plurality of localized strings has an associated locale.

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17          **28.**     One or more computer-readable media as recited in claim 26  
18 wherein the one or more processors further:

19          identify at least one localized string associated with a request for localized  
20 data; and

21          validate the at least one localized string.

1           **29.**   One or more computer-readable media as recited in claim 26  
2 wherein the one or more processors further:  
3           identify at least one localized string associated with a request for localized  
4 data;  
5           validate the identified localized string; and  
6           process the identified localized string if the identified localized string is  
7 validated.

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9           **30.**   One or more computer-readable media as recited in claim 26  
10 wherein the commonly used localized strings are identified based on frequently  
11 requested languages.  
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